# ‹i› infobit

## iTrans DP-T-22

2CH Analog Audio to Dante Encoder



## User Manual

**VER 1.0**

## Thank you for purchasing this product

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

## Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lighting strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

## Table of Contents

## 1. Introduction

The iTrans DP-T-22 is an audio transmitter based on the Dante Ultimo solution. It encodes the audio signal and then transmits to the decoder through Dante network, supporting AES67 RTP audio transmission. This product also supports 2 channels unbalanced or balanced analog audio input, 5-level sensitivity adjustment and PoE power supply.

## 2. Features

☆ Analog audio input supports balanced/unbalanced audio input (unbalanced access to "+" and "GND")

☆ Audio sampling rate supports 44.1KHz, 48KHz, 88.2KHz and 96KHz, @16bit/24bit/32bit

☆ Dante solution supports AES67 RTP audio transmission

☆ Audio input supports 5-level sensitivity adjustment：+24dBu, +4dBu, 0dBu, 0dBV and -10dBV

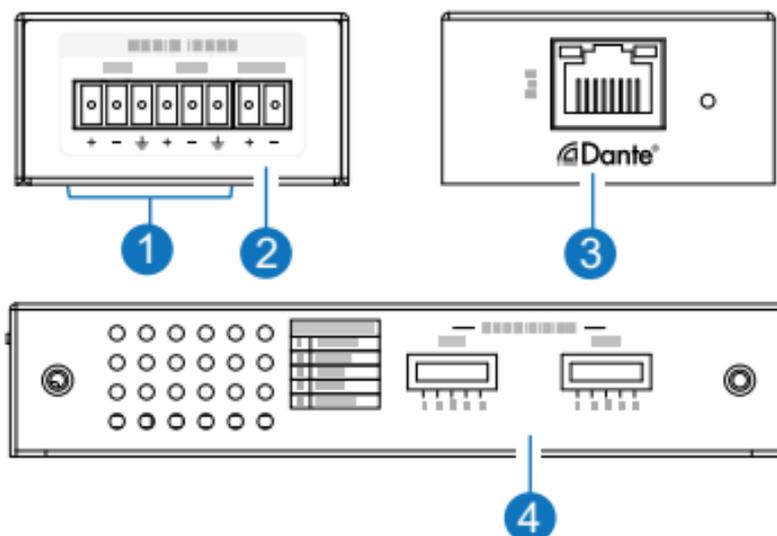☆ Support DC 12V power supply and PoE power supply (IEEE802.3af Class 1 compliant)

## 3. Package Contents

① 1× iTrans DP-T-22

② 1× 6pin-3.81mm Phoenix Connector (male)

③ 1× 2pin-3.81mm Phoenix Connector (male)
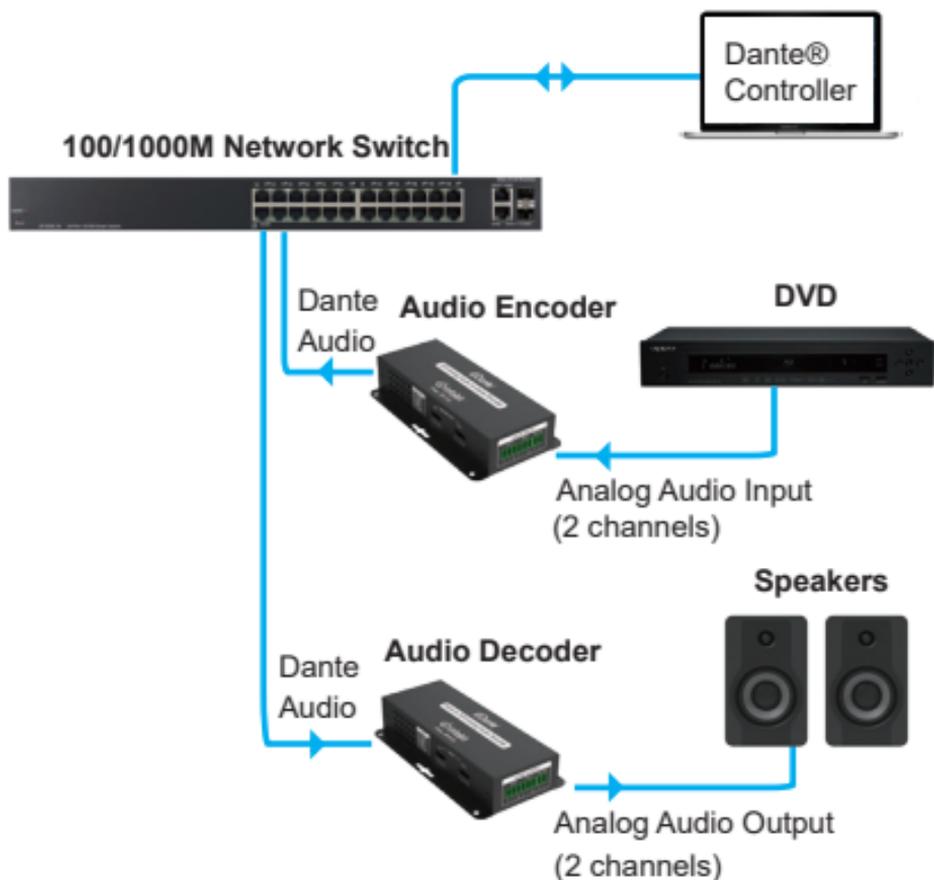
④ 1× User Manual

## 4. Specifications

| Technical | |
|---|---|
| Video Network Bandwidth | 100M |
| Audio Formats | PCM 2.0, @16bit/24bit/32bit, 44.1KHz/48KHz/88.2KHz/96KHz |
| Transmission Distance | 100m/328ft（CAT6/6A） |
| Control Method | Dante Controller |
| **Connection** | |
| Input | 1 × Dante [RJ45 connector, PoE] 2 × AUDIO INPUT [6-pin phenix, 3.81mm] |
| **Mechanical** | |
| Housing | Metal Enclosure |
| Color | Black |
| Dimensions | 130mm[W] × 70mm[D] × 26mm[H] |
| Weight | 230g |
| Power Supply | DC input: 12V/1A PoE input: IEEE802.3af Class 1 |
| Power Consumption | 1.2W |
| Operation Temperature | 32 - 104°F / 0 - 40°C |
| Storage temperature | -4 - 140°F / -20 - 60°C |
| Relative Humidity | 20 - 90% RH (no condensation) |

## 5. Operation Controls and Functions



| No. | Name | Function Description |
|-----|------|---------------------|
| 1 | AUDIO INPUT (CH1/CH2) | 2-channel analog audio input ports, support balanced and unbalanced audio. |
| 2 | DC 12V | DC 12V/1A power input port. |
| 3 | DANTE (PoE) | • Dante digital audio input port. Connect to the Network Switch through RJ45 line, supporting PD power supply.<br>• The green LINK LED is always on after normal connection.<br>• The yellow DATA LED is flashing when there is data transmission. |
| 4 | SENSITIVITY switch | Used for audio sensitivity adjustment, +24dBu, +4dBu, 0dBu, 0dBV and -10dBV, respectively. |

## 6. Application Example



100/1000M Network Switch

Dante®
Controller

Dante
Audio

Audio Encoder

DVD

Analog Audio Input
(2 channels)

Speakers

Dante
Audio

Audio Decoder

Analog Audio Output
(2 channels)

Trademarks
Dante® is registered trademark of Audinate Pty Ltd. All
other trademarks are the property of their respective
owners.